Information Services Board Geographic Information Technology (GIT) Committee Update

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Description
Briefing book update on enterprise architecture activities of the ISB Committee on Geographic Information Technology (GIT)

Committee Membership

Susan Hettinger (Chair), Deputy Director, DIS
Honorable Glenn Anderson, House of Representatives
Carol Fleskes, Administrative & IT Director ECY
Vicki Lukas, Chief PNW Science Team, USGS
Frank Westrum, Chief Information Officer, DOH
Jeff Koenings, Director, WFDFW
Richard Ybarra, Assistant Secretary, WSDOT
Tim Lowenberg, Major General, MIL
Bonnie Bunning, Executive Director, DNR
Ian Von Essen, WAGIC Chair, Spokane County

Geographic Information Technology (GIT) Enterprise Architecture (EA) Project

ISB/GIT committee staff continues to work in collaboration with the ISB Enterprise Architecture Committee on developing the GIT EA. Twelve state agencies participated in a two-day workshop March 2nd and 3rd to develop the future vision for GIT Enterprise Architecture.

Since the workshop, GIT Team Architects from Departments of Transportation, Fish and Wildlife, Revenue, Information Services and the Interagency for Outdoor Recreation have been working to expand the workshop material into a form that will completely document the vision for GIT EA.

The statewide Enterprise Architecture will identify data, technology and business process elements that should be managed in common as enterprise IT assets. Those IT elements are referred to as Tier One enterprise architecture elements. A Tier One designation implies that these elements will be managed as a common enterprise IT asset.

The following elements are proposed as Tier One components of the GIT Enterprise Architecture:

1. **Information Architecture Components** – 7 geospatial data themes have been identified as Tier One architecture components.
    a. **Orthoimagery** – includes georeferenced imagery prepared from an aerial photograph or other remotely sensed data.
    b. **Hydrography** – includes surface water features such as lakes and ponds, streams and rivers, canals, oceans, and shorelines.
    c. **Transportation** – includes features that make up the states transportation network (road, rail, transit, ferries, air, and non-mechanized transportations nodes).
    d. **Elevation** – data that provides information about terrain and refers to a spatially referenced vertical position above or below a datum (standardized) surface.
    e. **Cadastral** - refers to property interests and represents the geographic extent of public land holdings.
    f. **Geodetic Control** – refers to the common reference system for establishing the coordinate positions of all geographic data. It provides the means for tying all

geographic features to common, nationally used horizontal and vertical coordinate systems.

g. **Governmental Units** - represents the geographic areas of government and includes boundary designations for administrative units like counties, cities, municipalities, school districts, fire districts, etc.

Benefits of treating these data themes as Tier One assets include:

- Agencies deriving greater value by using a common enterprise approach to managing these data themes and,
- The approach will facilitate a single enterprise view of the data for citizens, employees, and business partners.

2. **Technology Architecture Components** – draft technology directions reflect:
   - 18 technology components have been identified and classified for use as either emerging, preferred, contained or obsolete technology.
   - Additional critical technology components include a portal for access to GIT data which will use a Web Services approach, and a shared repository for data management and storage.

3. **Business Architecture Components** – managing Tier One data and technology gives rise to the need for new enterprise level business management processes.
   - 20 Tier One business processes have been identified to support GIT EA.
   - Work continues on identifying governance roles and responsibilities for these business processes.

Process for construction of the GIT EA:

- Develop project charter and launch – **February '05 – (*Done)***
- Document significant current (as-is) GIT governance processes, architectures and business objectives – **March and April – *(In-process)***
- Develop future vision for GIT architectures – **March through May *(In-process)***
- Assess gap between current and future vision, and develop migration strategies and high level plan - **May through June**
- Seek comment and stakeholder endorsements – **July through August**
- Seek ISB approval – **September '05**
- Update and maintain – **As needed**

Next GIT Meeting: TBD.

URL for Committee Web Site:
Under development